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SEQUENCE LISTING

<110> Pierre Fabre Médicament

<120> USE OF ACTIVE P40 CONJUGATES FOR NASAL DELIVERY

<130> D17064

<140> PCT/FR99/00703

<141> 1999-03-26

<150> FR 98 03814

<151> 1998-03-27

<160> 136

<170> PatentIn Vers. 2.0

<210> 1

<211> 1032

<212> ADN

<213> Klebsiella pneumoniae

<220>

<221> CDS

<222> (1)..(1032)

<223> rP40

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1 5 10 15

tat gca ggt ggt aaa ctg ggt tgg tcc cag tat cac gac acc ggt ttc 96
Tyr Ala Gly Gly Lys Leu Gly Trp Ser Gln Tyr His Asp Thr Gly Phe
20 25 30

tac ggt aac ggt ttc cag aac aac aac ggt ccg acc cgt aac gat cag 144
Tyr Gly Asn Gly Phe Gln Asn Asn Asn Gly Pro Thr Arg Asn Asp Gln
35 40 45

ctt ggt gct ggt gcg ttc ggt ggt tac cag gtt aac ccg tac ctc ggt 192
Leu Gly Ala Gly Ala Phe Gly Gly Tyr Gln Val Asn Pro Tyr Leu Gly
50 55 60

ttc gaa atg ggt tat gac tgg ctg ggc cgt atg gca tat aaa ggc acc 240
Phe Glu Met Gly Tyr Asp Trp Leu Gly Arg Met Ala Tyr Lys Gly Ser
65 70 75 80

gtt gac aac ggt gct ttc aaa gct cag ggc gtt cag ctg acc gct aaa 288
Val Asp Asn Gly Ala Phe Lys Ala Gln Gly Val Gln Leu Thr Ala Lys
85 90 95

ctg ggt tac ccg atc act gac gat ctg gac atc tac acc cgt ctg ggc 336
Leu Gly Tyr Pro Ile Thr Asp Asp Leu Asp Ile Tyr Thr Arg Leu Gly
100 105 110

ggc atg gtt tgg cgc gct gac tcc aaa ggc aac tac gct tct acc ggc 384

Gly	Met	Val	Trp	Arg	Ala	Asp	Ser	Lys	Gly	Asn	Tyr	Ala	Ser	Thr	Gly		
		115					120					125					
gtt	tcc	cgt	agc	gaa	cac	gac	act	ggc	gtt	tcc	cca	gta	ttt	gct	ggc	432	
Val	Ser	Arg	Ser	Glu	His	Asp	Thr	Gly	Val	Ser	Pro	Val	Phe	Ala	Gly		
		130				135					140						
ggc	gta	gag	tgg	gct	gtt	act	cgt	gac	atc	gct	acc	cgt	ctg	gaa	tac	480	
Gly	Val	Glu	Trp	Ala	Val	Thr	Arg	Asp	Ile	Ala	Thr	Arg	Leu	Glu	Tyr		
145					150					155					160		
cag	tgg	gtt	aac	aac	atc	ggc	gac	gcg	ggc	act	gtg	ggt	acc	cgt	cct	528	
Gln	Trp	Val	Asn	Asn	Ile	Gly	Asp	Ala	Gly	Thr	Val	Gly	Thr	Arg	Pro		
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gat	aac	ggc	atg	ctg	agc	ctg	ggc	gtt	tcc	tac	cgc	ttc	ggt	cag	gaa	576	
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			180					185					190				
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Asp	Ala	Ala	Pro	Val	Val	Ala	Pro	Ala	Pro	Ala	Pro	Ala	Pro	Glu	Val		
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gct	acc	aag	cac	ttc	acc	ctg	aag	tct	gac	gtt	ctg	ttc	aac	ttc	aac	672	
Ala	Thr	Lys	His	Phe	Thr	Leu	Lys	Ser	Asp	Val	Leu	Phe	Asn	Phe	Asn		
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aaa	gct	acc	ctg	aaa	ccg	gaa	ggt	cag	cag	gct	ctg	gat	cag	ctg	tac	720	
Lys	Ala	Thr	Leu	Lys	Pro	Glu	Gly	Gln	Gln	Ala	Leu	Asp	Gln	Leu	Tyr		
225					230					235					240		
act	cag	ctg	agc	aac	atg	gat	ccg	aaa	gac	ggt	tcc	gct	gtt	gtt	ctg	768	
Thr	Gln	Leu	Ser	Asn	Met	Asp	Pro	Lys	Asp	Gly	Ser	Ala	Val	Val	Leu		
				245					250					255			
ggc	tac	acc	gac	cgc	atc	ggt	tcc	gaa	gct	tac	aac	cag	cag	ctg	tct	816	
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Glu	Lys	Arg	Ala	Gln	Ser	Val	Val	Asp	Tyr	Leu	Val	Ala	Lys	Gly	Ile		
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Thr	Gly	Asn	Thr	Cys	Asp	Asn	Val	Lys	Ala	Arg	Ala	Ala	Leu	Ile	Asp		
305					310				315					320			
tgc	ctg	gct	ccg	gat	cgt	cgt	gta	gag	atc	gaa	gtt	aaa	ggc	tac	aaa	1008	
Cys	Leu	Ala	Pro	Asp	Arg	Arg	Val	Glu	Ile	Glu	Val	Lys	Gly	Tyr	Lys		
				325				330						335			
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Glu	Val	Val	Thr	Gln	Pro	Gln	Ala										
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<210> 2
<211> 344
<212> PRT
<213> Klebsiella pneumoniae

<400> 2

Met Lys Ala Ile Phe Val Leu Asn Ala Ala Pro Lys Asp Asn Thr Trp
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Tyr Ala Gly Gly Lys Leu Gly Trp Ser Gln Tyr His Asp Thr Gly Phe
20 25 30

Tyr Gly Asn Gly Phe Gln Asn Asn Asn Gly Pro Thr Arg Asn Asp Gln
35 40 45

Leu Gly Ala Gly Ala Phe Gly Gly Tyr Gln Val Asn Pro Tyr Leu Gly
50 55 60

Phe Glu Met Gly Tyr Asp Trp Leu Gly Arg Met Ala Tyr Lys Gly Ser
65 70 75 80

Val Asp Asn Gly Ala Phe Lys Ala Gln Gly Val Gln Leu Thr Ala Lys
85 90 95

Leu Gly Tyr Pro Ile Thr Asp Asp Leu Asp Ile Tyr Thr Arg Leu Gly
100 105 110

Gly Met Val Trp Arg Ala Asp Ser Lys Gly Asn Tyr Ala Ser Thr Gly
115 120 125

Val Ser Arg Ser Glu His Asp Thr Gly Val Ser Pro Val Phe Ala Gly
130 135 140

Gly Val Glu Trp Ala Val Thr Arg Asp Ile Ala Thr Arg Leu Glu Tyr
145 150 155 160

Gln Trp Val Asn Asn Ile Gly Asp Ala Gly Thr Val Gly Thr Arg Pro
165 170 175

Asp Asn Gly Met Leu Ser Leu Gly Val Ser Tyr Arg Phe Gly Gln Glu
180 185 190

Asp Ala Ala Pro Val Val Ala Pro Ala Pro Ala Pro Ala Pro Glu Val
195 200 205

Ala Thr Lys His Phe Thr Leu Lys Ser Asp Val Leu Phe Asn Phe Asn
210 215 220

Lys Ala Thr Leu Lys Pro Glu Gly Gln Gln Ala Leu Asp Gln Leu Tyr
225 230 235 240

Thr Gln Leu Ser Asn Met Asp Pro Lys Asp Gly Ser Ala Val Val Leu
245 250 255

Gly Tyr Thr Asp Arg Ile Gly Ser Glu Ala Tyr Asn Gln Gln Leu Ser
260 265 270

Glu Lys Arg Ala Gln Ser Val Val Asp Tyr Leu Val Ala Lys Gly Ile
 275 280 285
 Pro Ala Gly Lys Ile Ser Ala Arg Gly Met Gly Glu Ser Asn Pro Val
 290 295 300
 Thr Gly Asn Thr Cys Asp Asn Val Lys Ala Arg Ala Ala Leu Ile Asp
 305 310 315 320
 Cys Leu Ala Pro Asp Arg Arg Val Glu Ile Glu Val Lys Gly Tyr Lys
 325 330 335
 Glu Val Val Thr Gln Pro Gln Ala
 340

<210> 3
 <211> 303
 <212> ADN
 <213> Respiratory Syncytial Virus (RSV)

<220>
 <221> CDS
 <222> (1)..(303)

<220>
 <223> G2A

<400> 3
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 1 5 10 15
 ccg acc acc aaa cag cgt cag aac aaa ccg ccg aac aaa ccg aac aac 96
 Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro Pro Asn Lys Pro Asn Asn
 20 25 30
 gat ttc cat ttc gaa gtg ttc aac ttc gtg ccg tgc agc atc tgc agc 144
 Asp Phe His Phe Glu Val Phe Asn Phe Val Pro Cys Ser Ile Cys Ser
 35 40 45
 aac aac ccg acc tgc tgg gcg atc tgc aaa cgt atc ccg aac aaa aaa 192
 Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys Arg Ile Pro Asn Lys Lys
 50 55 60
 ccg ggc aaa aaa acc acg acc aaa ccg acc aaa aaa ccg acc ttc aaa 240
 Pro Gly Lys Lys Thr Thr Thr Lys Pro Thr Lys Lys Pro Thr Phe Lys
 65 70 75 80
 acc acc aaa aaa gat cat aaa ccg cag acc acc aaa ccg aaa gaa gtg 288
 Thr Thr Lys Lys Asp His Lys Pro Gln Thr Thr Lys Pro Lys Glu Val
 85 90 95
 ccg acc acc aaa ccg 303
 Pro Thr Thr Lys Pro
 100

<210> 4
<211> 101
<212> PRT
<213> Respiratory Syncytial Virus (RSV)

<400> 4
Thr Val Lys Thr Lys Asn Thr Thr Thr Thr Gln Thr Gln Pro Ser Lys
1 5 10 15
Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro Pro Asn Lys Pro Asn Asn
20 25 30
Asp Phe His Phe Glu Val Phe Asn Phe Val Pro Cys Ser Ile Cys Ser
35 40 45
Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys Arg Ile Pro Asn Lys Lys
50 55 60
Pro Gly Lys Lys Thr Thr Thr Lys Pro Thr Lys Lys Pro Thr Phe Lys
65 70 75 80
Thr Thr Lys Lys Asp His Lys Pro Gln Thr Thr Lys Pro Lys Glu Val
85 90 95
Pro Thr Thr Lys Pro
100

<210> 5
<211> 303
<212> ADN
<213> Respiratory Syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(303)

<220>
<223> G2B

<400> 5
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Thr Ala Gln Thr Lys Gly Arg Ile Thr Thr Ser Thr Gln Thr Asn Lys
1 5 10 15
ccg agc acc aaa agc cgt agc aaa aac ccg ccg aaa aaa ccg aaa gat 96
Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro Pro Lys Lys Pro Lys Asp
20 25 30
gat tac cac ttc gaa gtg ttc aac ttc gtg ccc tgc agc atc tgc ggc 144
Asp Tyr His Phe Glu Val Phe Asn Phe Val Pro Cys Ser Ile Cys Gly
35 40 45
aac aac cag ctg tgc aaa agc atc tgc aaa acc atc ccg agc aac aaa 192
Asn Asn Gln Leu Cys Lys Ser Ile Cys Lys Thr Ile Pro Ser Asn Lys
50 55 60

ccg aaa aag aaa ccg acc atc aaa ccg acc aac aaa ccg acc acc aaa 240
Pro Lys Lys Lys Pro Thr Ile Lys Pro Thr Asn Lys Pro Thr Thr Lys
65 70 75 80

acc acc aac aaa cgt gat ccg aaa acc ccg gcg aaa atg ccg aag aag 288
Thr Thr Asn Lys Arg Asp Pro Lys Thr Pro Ala Lys Met Pro Lys Lys
85 90 95

gaa atc atc acc aac 303
Glu Ile Ile Thr Asn
100

<210> 6

<211> 101

<212> PRT

<213> Respiratory Syncytial Virus (RSV)

<400> 6

Thr Ala Gln Thr Lys Gly Arg Ile Thr Thr Ser Thr Gln Thr Asn Lys
1 5 10 15

Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro Pro Lys Lys Pro Lys Asp
20 25 30

Asp Tyr His Phe Glu Val Phe Asn Phe Val Pro Cys Ser Ile Cys Gly
35 40 45

Asn Asn Gln Leu Cys Lys Ser Ile Cys Lys Thr Ile Pro Ser Asn Lys
50 55 60

Pro Lys Lys Lys Pro Thr Ile Lys Pro Thr Asn Lys Pro Thr Thr Lys
65 70 75 80

Thr Thr Asn Lys Arg Asp Pro Lys Thr Pro Ala Lys Met Pro Lys Lys
85 90 95

Glu Ile Ile Thr Asn
100

<210> 7

<211> 303

<212> ADN

<213> Respiratory Syncytial Virus (RSV)

<220>

<221> CDS

<222> (1)..(303)

<220>

<223> G2AδCys

<400> 7

acc gtg aaa acc aaa aac acc acg acc acc cag acc cag ccg agc aaa 48
Thr Val Lys Thr Lys Asn Thr Thr Thr Thr Gln Thr Gln Pro Ser Lys
1 5 10 15

ccg acc acc aaa cag cgt cag aac aaa ccg ccg aac aaa ccg aac aac 96
 Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro Pro Asn Lys Pro Asn Asn
 20 25 30

gat ttc cat ttc gaa gtg ttc aac ttc gtg ccg agc agc atc tgc agc 144
 Asp Phe His Phe Glu Val Phe Asn Phe Val Pro Ser Ser Ile Cys Ser
 35 40 45

aac aac ccg acc tgc tgg gcg atc agc aaa cgt atc ccg aac aaa aaa 192
 Asn Asn Pro Thr Cys Trp Ala Ile Ser Lys Arg Ile Pro Asn Lys Lys
 50 55 60

ccg ggc aaa aaa acc acg acc aaa ccg acc aaa aaa ccg acc ttc aaa 240
 Pro Gly Lys Lys Thr Thr Thr Lys Pro Thr Lys Lys Pro Thr Phe Lys
 65 70 75 80

acc acc aaa aaa gat cat aaa ccg cag acc acc aaa ccg aaa gaa gtg 288
 Thr Thr Lys Lys Asp His Lys Pro Gln Thr Thr Lys Pro Lys Glu Val
 85 90 95

ccg acc acc aaa ccg 303
 Pro Thr Thr Lys Pro
 100

<210> 8
 <211> 101
 <212> PRT
 <213> Respiratory Syncytial Virus (RSV)

<400> 8
 Thr Val Lys Thr Lys Asn Thr Thr Thr Thr Gln Thr Gln Pro Ser Lys
 1 5 10 15

Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro Pro Asn Lys Pro Asn Asn
 20 25 30

Asp Phe His Phe Glu Val Phe Asn Phe Val Pro Ser Ser Ile Cys Ser
 35 40 45

Asn Asn Pro Thr Cys Trp Ala Ile Ser Lys Arg Ile Pro Asn Lys Lys
 50 55 60

Pro Gly Lys Lys Thr Thr Thr Lys Pro Thr Lys Lys Pro Thr Phe Lys
 65 70 75 80

Thr Thr Lys Lys Asp His Lys Pro Gln Thr Thr Lys Pro Lys Glu Val
 85 90 95

Pro Thr Thr Lys Pro
 100

<210> 9
 <211> 303
 <212> ADN
 <213> Respiratory Syncytial Virus (RSV)

<220>
 <221> CDS
 <222> (1) .. (303)

<220>
 <223> G2BδCys

<400> 9

acc gcg cag acc aaa ggc cgt atc acc acc agc acc cag acc aac aaa 48
 Thr Ala Gln Thr Lys Gly Arg Ile Thr Thr Ser Thr Gln Thr Asn Lys
 1 5 10 15

ccg agc acc aaa agc cgt agc aaa aac ccg ccg aaa aaa ccg aaa gat 96
 Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro Pro Lys Lys Pro Lys Asp
 20 25 30

gat tac cac ttc gaa gtg ttc aac ttc gtg ccc agc agc atc tgc ggc 144
 Asp Tyr His Phe Glu Val Phe Asn Phe Val Pro Ser Ser Ile Cys Gly
 35 40 45

aac aac cag ctg tgc aaa agc atc agc aaa acc atc ccg agc aac aaa 192
 Asn Asn Gln Leu Cys Lys Ser Ile Ser Lys Thr Ile Pro Ser Asn Lys
 50 55 60

ccg aaa aag aaa ccg acc atc aaa ccg acc aac aaa ccg acc acc aaa 240
 Pro Lys Lys Lys Pro Thr Ile Lys Pro Thr Asn Lys Pro Thr Thr Lys
 65 70 75 80

acc acc aac aaa cgt gat ccg aaa acc ccg gcg aaa atg ccg aag aag 288
 Thr Thr Asn Lys Arg Asp Pro Lys Thr Pro Ala Lys Met Pro Lys Lys
 85 90 95

gaa atc atc acc aac 303
 Glu Ile Ile Thr Asn
 100

<210> 10
 <211> 101
 <212> PRT
 <213> Respiratory Syncytial Virus (RSV)

<400> 10

Thr Ala Gln Thr Lys Gly Arg Ile Thr Thr Ser Thr Gln Thr Asn Lys
 1 5 10 15

Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro Pro Lys Lys Pro Lys Asp
 20 25 30

Asp Tyr His Phe Glu Val Phe Asn Phe Val Pro Ser Ser Ile Cys Gly
 35 40 45

Asn Asn Gln Leu Cys Lys Ser Ile Ser Lys Thr Ile Pro Ser Asn Lys
 50 55 60

Pro Lys Lys Lys Pro Thr Ile Lys Pro Thr Asn Lys Pro Thr Thr Lys

65

70

75

80

Thr Thr Asn Lys Arg Asp Pro Lys Thr Pro Ala Lys Met Pro Lys Lys
85 90 95

Glu Ile Ile Thr Asn
100

<210> 11

<211> 42

<212> ADN

<213> Respiratory Syncytial Virus (RSV)

<220>

<221> CDS

<222> (1) .. (42)

<220>

• <223> G1ACys

• <400> 11

agc atc tgc agc aac aac ccg acc tgc tgg gcg atc tgc aaa
Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys
1 5 10

42

<210> 12

<211> 14

<212> PRT

<213> Respiratory Syncytial Virus (RSV)

B3
Cont
<400> 12

Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys
1 5 10

<210> 13

<211> 42

<212> ADN

<213> Respiratory Syncytial Virus (RSV)

<220>

<221> CDS

<222> (1) .. (42)

<220>

<223> G1BCys

<400> 13

agc atc tgc ggc aac aac cag ctg tgc aaa agc atc tgc aaa
Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Cys Lys
1 5 10

42

<210> 14
<211> 14
<212> PRT
<213> Respiratory Syncytial Virus (RSV)

<400> 14
Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Cys Lys
1 5 10

<210> 15
<211> 42
<212> ADN
<213> Respiratory Syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(42)

<220>
<223>G1A

<400> 15
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1 5 10

<210> 16
<211> 14
<212> PRT
<213> Respiratory Syncytial Virus (RSV)

<400> 16
Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Ser Lys
1 5 10

<210> 17
<211> 42
<212> ADN
<213> Respiratory Syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(42)

<220>
<223>G1B

<400> 17
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Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Ser Lys
1 5 10

<210> 18
<211> 14
<212> PRT
<213> Respiratory Syncytial Virus (RSV)

<400> 18
Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Ser Lys
1 5 10

<210> 19
<211> 14
<212> PRT
<213> Respiratory Syncytial Virus (RSV)

<220>
<223> Xaa means Orn.

<220>
• <223> G1'A

<400> 19
Ser Ile Asp Ser Asn Asn Pro Thr Xaa Trp Ala Ile Cys Lys
1 5 10

<210> 20
<211> 14
<212> PRT
<213> Respiratory Syncytial Virus (RSV)

B3
cont
<220>
<223> Xaa means Orn.

<220>
<223> G1'B

<400> 20
Ser Ile Asp Gly Asn Asn Gln Leu Xaa Lys Ser Ile Cys Lys
1 5 10

<210> 21
<211> 14
<212> PRT
<213> Respiratory Syncytial Virus (RSV)

<220>
<223> Xaa means Orn.

<220>
<223> G1'AδC

<400> 21
Ser Ile Asp Ser Asn Asn Pro Thr Xaa Trp Ala Ile Ser Lys

1

5

10

<210> 22
 <211> 14
 <212> PRT
 <213> Respiratory Syncytial Virus (RSV)

<220>
 <223> Xaa means Orn.

<220>
 <223> G1'BδC

<400> 22
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 1 5 10

<210> 23
 <211> 303
 <212> ADN
 <213> Respiratory Syncytial Virus (RSV)

<220>
 <221> CDS
 <222> (1)..(303)

<220>
 <223> G2AδCF

B3 count

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 1 5 10 15
 ccg acc acc aaa cag cgt cag aac aaa ccg ccg aac aaa ccg aac aac 96
 Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro Pro Asn Lys Pro Asn Asn
 20 25 30
 gat tcc cat tcc gaa gtg tcc aac tcc gtg ccg agc agc atc tgc agc 144
 Asp Ser His Ser Glu Val Ser Asn Ser Val Pro Ser Ser Ile Cys Ser
 35 40 45
 aac aac ccg acc tgc tgg gcg atc agc aaa cgt atc ccg aac aaa aaa 192
 Asn Asn Pro Thr Cys Trp Ala Ile Ser Lys Arg Ile Pro Asn Lys Lys
 50 55 60
 ccg ggc aaa aaa acc acg acc aaa ccg acc aaa aaa ccg acc ttc aaa 240
 Pro Gly Lys Lys Thr Thr Thr Lys Pro Thr Lys Lys Pro Thr Phe Lys
 65 70 75 80
 acc acc aaa aaa gat cat aaa ccg cag acc acc aaa ccg aaa gaa gtg 288
 Thr Thr Lys Lys Asp His Lys Pro Gln Thr Thr Lys Pro Lys Glu Val
 85 90 95

ccg acc acc aaa ccg
Pro Thr Thr Lys Pro
100

303

<210> 24
<211> 101
<212> PRT
<213> Respiratory Syncytial Virus (RSV)

<400> 24
Thr Val Lys Thr Lys Asn Thr Thr Thr Thr Gln Thr Gln Pro Ser Lys
1 5 10 15
Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro Pro Asn Lys Pro Asn Asn
20 25 30
Asp Ser His Ser Glu Val Ser Asn Ser Val Pro Ser Ser Ile Cys Ser
35 40 45
Asn Asn Pro Thr Cys Trp Ala Ile Ser Lys Arg Ile Pro Asn Lys Lys
50 55 60
Pro Gly Lys Lys Thr Thr Thr Lys Pro Thr Lys Lys Pro Thr Phe Lys
65 70 75 80
Thr Thr Lys Lys Asp His Lys Pro Gln Thr Thr Lys Pro Lys Glu Val
85 90 95
Pro Thr Thr Lys Pro
100

<210> 25
<211> 51
<212> ADN
<213> Respiratory Syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(51)

<220>
<223> G4A

<400> 25
gtg ccg tgc agc atc tgc agc aac aac ccg acc tgc tgg gcg atc tgc 48
Val Pro Cys Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Cys
1 5 10 15
aaa
Lys 51

<210> 26
<211> 17
<212> PRT
<213> Respiratory Syncytial Virus (RSV)

<400> 26

Val Pro Cys Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Cys
1 5 10 15

Lys

<210> 27

<211> 51

<212> ADN

<213> Respiratory Syncytial Virus (RSV)

<220>

<221> CDS

<222> (1) .. (51)

<220>

<223> G4AδC

<400> 27

gtg ccg agc agc atc tgc agc aac aac ccg acc tgc tgg gcg atc agc 48
Val Pro Ser Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Ser
1 5 10 15

aaa

51

Lys

Bent
<210> 28

<211> 17

<212> PRT

<213> Respiratory Syncytial Virus (RSV)

<400> 28

Val Pro Ser Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Ser
1 5 10 15

Lys

<210> 29

<211> 51

<212> ADN

<213> Respiratory Syncytial Virus (RSV)

<220>

<221> CDS

<222> (1) .. (51)

<220>

<223> G4B

<400> 29

gtg ccc tgc agc atc tgc ggc aac aac cag ctg tgc aaa agc atc tgc 48
 Val Pro Cys Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Cys
 1 5 10 15

aaa 51
 Lys

<210> 30
 <211> 17
 <212> PRT
 <213> Respiratory Syncytial Virus (RSV)

<400> 30
 Val Pro Cys Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Cys
 1 5 10 15

Lys

<210> 31
 <211> 51
 <212> ADN
 <213> Respiratory syncytial Virus (RSV)

<220>
 <221> CDS
 <222> (1)..(51)

BS Cont

<220>
 <223> G4B5C

<400> 31
 gtg ccc agc agc atc tgc ggc aac aac cag ctg tgc aaa agc atc agc 48
 Val Pro Ser Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Ser
 1 5 10 15

aaa 51
 Lys

<210> 32
 <211> 17
 <212> PRT
 <213> Respiratory syncytial Virus (RSV)

<400> 32
 Val Pro Ser Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Ser
 1 5 10 15

Lys

<210> 33
 <211> 17

<212> PRT
<213> Respiratory syncytial Virus (RSV)

<220>
<223> Xaa means Orn.

<220>
<223> G4'A

<400> 33
Val Pro Asp Ser Ile Asp Ser Asn Asn Pro Thr Xaa Trp Ala Ile Xaa
1 5 10 15

Lys

<210> 34
<211> 17
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<220>
<223> Xaa means Orn.

<220>
<223> G4'AΔC

B3 cont
<400> 34
Val Pro Ser Ser Ile Asp Ser Asn Asn Pro Thr Xaa Trp Ala Ile Ser
1 5 10 15

Lys

<210> 35
<211> 17
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<220>
<223> Xaa means Orn.

<220>
<223> G4'B

<400> 35
Val Pro Asp Ser Ile Asp Gly Asn Asn Gln Leu Xaa Lys Ser Ile Xaa
1 5 10 15

Lys

<210> 36
<211> 17
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<220>
<223> Xaa means Orn.

<220>
<223> G4'B5C

<400> 36
Val Pro Ser Ser Ile Asp Gly Asn Asn Gln Leu Xaa Lys Ser Ile Ser
1 5 10 15

Lys

<210> 37
<211> 183
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(183)

B3 cont
<220>
<223> G200A

<400> 37
cag acc cag ccg agc aaa ccg acc acc aaa cag cgt cag aac aaa ccg 48
Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro
1 5 10 15

ccg aac aaa ccg aac aac gat ttc cat ttc gaa gtg ttc aac ttc gtg 96
Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val
20 25 30

ccg tgc agc atc tgc agc aac aac ccg acc tgc tgg gcg atc tgc aaa 144
Pro Cys Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys
35 40 45

cgt atc ccg aac aaa aaa ccg ggc aaa aaa acc acg acc 183
Arg Ile Pro Asn Lys Lys Pro Gly Lys Lys Thr Thr Thr
50 55 60

<210> 38
<211> 61
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 38
Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro

1	5	10	15
Pro Asn Lys	Pro Asn Asn Asp	Phe His Phe Glu Val	Phe Asn Phe Val
20	25	30	
Pro Cys Ser	Ile Cys Ser Asn Asn	Pro Thr Cys Trp	Ala Ile Cys Lys
35	40	45	
Arg Ile Pro	Asn Lys Lys Pro Gly Lys	Lys Thr Thr	
50	55	60	

<210> 39
 <211> 177
 <212> ADN
 <213> Respiratory syncytial Virus (RSV)

<220>
 <221> CDS
 <222> (1)..(177)

<220>
 <223> G198A

<400> 39
 cag acc cag ccg agc aaa ccg acc acc aaa cag cgt cag aac aaa ccg 48
 Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro
 1 5 10 15

ccg aac aaa ccg aac aac gat ttc cat ttc gaa gtg ttc aac ttc gtg 96
 Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val
 20 25 30

ccg tgc agc atc tgc agc aac aac ccg acc tgc tgg gcg atc tgc aaa 144
 Pro Cys Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys
 35 40 45

cgt atc ccg aac aaa aaa ccg ggc aaa aaa acc 177
 Arg Ile Pro Asn Lys Lys Pro Gly Lys Lys Thr
 50 55

<210> 40
 <211> 59
 <212> PRT
 <213> Respiratory syncytial Virus (RSV)

<400> 40
 Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro
 1 5 10 15

Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val
 20 25 30

Pro Cys Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys
 35 40 45

Arg Ile Pro Asn Lys Lys Pro Gly Lys Lys Thr
50 55

<210> 41
<211> 171
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(171)

<220>
<223> G196A

<400> 41
cag acc cag ccg agc aaa ccg acc acc aaa cag cgt cag aac aaa ccg 48
Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro
1 5 10 15
ccg aac aaa ccg aac aac gat ttc cat ttc gaa gtg ttc aac ttc gtg 96
Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val
20 25 30
ccg tgc agc atc tgc agc aac aac ccg acc tgc tgg gcg atc tgc aaa 144
Pro Cys Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys
35 40 45
cgt atc ccg aac aaa aaa ccg ggc aaa 171
Arg Ile Pro Asn Lys Lys Pro Gly Lys
50 55

<210> 42
<211> 57
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 42
Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro
1 5 10 15
Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val
20 25 30
Pro Cys Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys
35 40 45
Arg Ile Pro Asn Lys Lys Pro Gly Lys
50 55

<210> 43
<211> 165
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(165)

<220>
<223> G194A

<400> 43

cag acc cag ccg agc aaa ccg acc acc aaa cag cgt cag aac aaa ccg	48
Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro	
1 5 10 15	
ccg aac aaa ccg aac aac gat ttc cat ttc gaa gtg ttc aac ttc gtg	96
Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val	
20 25 30	
ccg tgc agc atc tgc agc aac aac ccg acc tgc tgg gcg atc tgc aaa	144
Pro Cys Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys	
35 40 45	
cgt atc ccg aac aaa aaa ccg	165
Arg Ile Pro Asn Lys Lys Pro	
50 55	

<210> 44
<211> 55
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 44

Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro	
1 5 10 15	
Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val	
20 25 30	
Pro Cys Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys	
35 40 45	
Arg Ile Pro Asn Lys Lys Pro	
50 55	

<210> 45
<211> 159
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(159)

<220>
<223> G192A

<400> 45
 cag acc cag ccg agc aaa ccg acc acc aaa cag cgt cag aac aaa ccg 48
 Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro
 1 5 10 15

ccg aac aaa ccg aac aac gat ttc cat ttc gaa gtg ttc aac ttc gtg 96
 Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val
 20 25 30

ccg tgc agc atc tgc agc aac aac ccg acc tgc tgg gcg atc tgc aaa 144
 Pro Cys Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys
 35 40 45

cgt atc ccg aac aaa 159
 Arg Ile Pro Asn Lys
 50

<210> 46
 <211> 53
 <212> PRT
 <213> Respiratory syncytial Virus (RSV)

<400> 46
 Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro
 1 5 10 15

Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val
 20 25 30

Pro Cys Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys
 35 40 45

Arg Ile Pro Asn Lys
 50

<210> 47
 <211> 153
 <212> ADN
 <213> Respiratory syncytial Virus (RSV)

<220>
 <221> CDS
 <222> (1)..(153)

<220>
 <223> G6A

<400> 47
 cag acc cag ccg agc aaa ccg acc acc aaa cag cgt cag aac aaa ccg 48
 Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro
 1 5 10 15

ccg aac aaa ccg aac aac gat ttc cat ttc gaa gtg ttc aac ttc gtg 96
 Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val

20 25 30
ccg tgc agc atc tgc agc aac aac ccg acc tgc tgg gcg atc tgc aaa 144
Pro Cys Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys
35 40 45
cgt atc ccg 153
Arg Ile Pro
50

<210> 48
<211> 51
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 48
Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro
1 5 10 15
Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val
20 25 30
Pro Cys Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys
35 40 45
Arg Ile Pro
50

P3 cont

<210> 49
<211> 99
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1) .. (99)

<220>
<223> G7A

<400> 49
aaa ccg aac aac gat ttc cat ttc gaa gtg ttc aac ttc gtg ccg tgc 48
Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val Pro Cys
1 5 10 15
agc atc tgc agc aac aac ccg acc tgc tgg gcg atc tgc aaa cgt atc 96
Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys Arg Ile
20 25 30
ccg 99
Pro

<210> 50
<211> 33

<212> PRT

<213> Respiratory syncytial Virus (RSV)

<400> 50

Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val Pro Cys
1 5 10 15
Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys Arg Ile
20 25 30

Pro

<210> 51

<211> 183

<212> ADN

<213> Respiratory syncytial Virus (RSV)

<220>

<221> CDS

<222> (1)..(183)

<220>

<223>G200AδC

<400> 51

cag acc cag ccg agc aaa ccg acc acc aaa cag cgt cag aac aaa ccg 48
Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro
1 5 10 15
ccg aac aaa ccg aac aac gat ttc cat ttc gaa gtg ttc aac ttc gtg 96
Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val
20 25 30
ccg agc agc atc tgc agc aac aac ccg acc tgc tgg gcg atc agc aaa 144
Pro Ser Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Ser Lys
35 40 45
cgt atc ccg aac aaa aaa ccg ggc aaa aaa acc acg acc 183
Arg Ile Pro Asn Lys Lys Pro Gly Lys Lys Thr Thr Thr
50 55 60

<210> 52

<211> 61

<212> PRT

<213> Respiratory syncytial Virus (RSV)

<400> 52

Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro
1 5 10 15

Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val
20 25 30

Pro Ser Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Ser Lys
35 40 45

Arg Ile Pro Asn Lys Lys Pro Gly Lys Lys Thr Thr Thr
50 55 60

<210> 53

<211> 177

<212> ADN

<213> Respiratory syncytial Virus (RSV)

<220>

<221> CDS

<222> (1) .. (177)

<220>

<223> G198AδC

<400> 53

cag acc cag ccg agc aaa ccg acc acc aaa cag cgt cag aac aaa ccg 48
Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro
1 5 10 15

ccg aac aaa ccg aac aac gat ttc cat ttc gaa gtg ttc aac ttc gtg 96
Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val
20 25 30

ccg agc agc atc tgc agc aac aac ccg acc tgc tgg gcg atc agc aaa 144
Pro Ser Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Ser Lys
35 40 45

cgt atc ccg aac aaa aaa ccg ggc aaa aaa acc 177
Arg Ile Pro Asn Lys Lys Pro Gly Lys Lys Thr
50 55

B3 Cent

<210> 54

<211> 59

<212> PRT

<213> Respiratory syncytial Virus (RSV)

<400> 54

Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro
1 5 10 15

Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val
20 25 30

Pro Ser Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Ser Lys
35 40 45

Arg Ile Pro Asn Lys Lys Pro Gly Lys Lys Thr
50 55

<210> 55

<211> 171

<212> ADN

<213> Respiratory syncytial Virus (RSV)

<220>

<221> CDS

<222> (1)..(171)

<220>

<223> G196AδC

<400> 55

cag acc cag ccg agc aaa ccg acc acc aaa cag cgt cag aac aaa ccg	48
Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro	
1 5 10 15	
ccg aac aaa ccg aac aac gat ttc cat ttc gaa gtg ttc aac ttc gtg	96
Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val	
20 25 30	
ccg agc agc atc tgc agc aac aac ccg acc tgc tgg gcg atc agc aaa	144
Pro Ser Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Ser Lys	
35 40 45	
cgt atc ccg aac aaa aaa ccg ggc aaa	171
Arg Ile Pro Asn Lys Lys Pro Gly Lys	
50 55	

<210> 56

<211> 57

<212> PRT

<213> Respiratory syncytial Virus (RSV)

<400> 56

Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro	
1 5 10 15	
Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val	
20 25 30	
Pro Ser Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Ser Lys	
35 40 45	
Arg Ile Pro Asn Lys Lys Pro Gly Lys	
50 55	

<210> 57

<211> 165

<212> ADN

<213> Respiratory syncytial Virus (RSV)

<220>

<221> CDS

<222> (1)..(165)

<220>

<223> G194AδC

<400> 57

cag acc cag ccg agc aaa ccg acc acc aaa cag cgt cag aac aaa ccg 48
Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro
1 5 10 15

ccg aac aaa ccg aac aac gat ttc cat ttc gaa gtg ttc aac ttc gtg 96
Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val
20 25 30

ccg agc agc atc tgc agc aac aac ccg acc tgc tgg gcg atc agc aaa 144
Pro Ser Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Ser Lys
35 40 45

cgt atc ccg aac aaa aaa ccg 165
Arg Ile Pro Asn Lys Lys Pro
50 55

<210> 58

<211> 55

<212> PRT

<213> Respiratory syncytial Virus (RSV)

<400> 58

Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro
1 5 10 15

Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val
20 25 30

Pro Ser Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Ser Lys
35 40 45

Arg Ile Pro Asn Lys Lys Pro
50 55

<210> 59

<211> 159

<212> ADN

<213> Respiratory syncytial Virus (RSV)

<220>

<221> CDS

<222> (1)..(159)

<220>

<223> G192AδC

<400> 59

cag acc cag ccg agc aaa ccg acc acc aaa cag cgt cag aac aaa ccg 48
Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro
1 5 10 15

ccg aac aaa ccg aac aac gat ttc cat ttc gaa gtg ttc aac ttc gtg 96
Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val

20 25 30
ccg agc agc atc tgc agc aac aac ccg acc tgc tgg gcg atc agc aaa 144
Pro Ser Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Ser Lys
35 40 45
cgt atc ccg aac aaa 159
Arg Ile Pro Asn Lys
50

<210> 60
<211> 53
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 60
Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro
1 5 10 15
Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val
20 25 30
Pro Ser Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Ser Lys
35 40 45
Arg Ile Pro Asn Lys
50

<210> 61
<211> 153
<212> ADN
<213> Respiratory syncytial Virus (RSV)

B3
<220>
<221> CDS
<222> (1) .. (153)

<220>
<223> G6AδC

<400> 61
cag acc cag ccg agc aaa ccg acc acc aaa cag cgt cag aac aaa ccg 48
Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro
1 5 10 15
ccg aac aaa ccg aac aac gat ttc cat ttc gaa gtg ttc aac ttc gtg 96
Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val
20 25 30
ccg agc agc atc tgc agc aac aac ccg acc tgc tgg gcg atc agc aaa 144
Pro Ser Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Ser Lys
35 40 45
cgt atc ccg 153
Arg Ile Pro

50

<210> 62
<211> 51
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 62
Gln Thr Gln Pro Ser Lys Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro
1 5 10 15
Pro Asn Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val
20 25 30
Pro Ser Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Ser Lys
35 40 45
Arg Ile Pro
50

<210> 63
<211> 99
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(99)

<220>
<223> G7A5C

B3 conc.

<400> .63
aaa ccg aac aac gat ttc cat ttc gaa gtg ttc aac ttc gtg ccg agc 48
Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val Pro Ser
1 5 10 15
agc atc tgc agc aac aac ccg acc tgc tgg gcg atc agc aaa cgt atc 96
Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Ser Lys Arg Ile
20 25 30
ccg 99
Pro

<210> 64
<211> 33
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 64
Lys Pro Asn Asn Asp Phe His Phe Glu Val Phe Asn Phe Val Pro Ser
1 5 10 15
Ser Ile Cys Ser Asn Asn Pro Thr Cys Trp Ala Ile Ser Lys Arg Ile

20

25

30

Pro

<210> 65

<211> 183

<212> ADN

<213> Respiratory syncytial Virus (RSV)

<220>

<221> CDS

<222> (1)..(183)

<220>

<223> G200B

<400> 65

agc	acc	cag	acc	aac	aaa	ccg	agc	acc	aaa	agc	cgt	agc	aaa	aac	ccg	48
Ser	Thr	Gln	Thr	Asn	Lys	Pro	Ser	Thr	Lys	Ser	Arg	Ser	Lys	Asn	Pro	
1				5					10					15		

ccg	aaa	aaa	ccg	aaa	gat	gat	tac	cac	ttc	gaa	gtg	ttc	aac	ttc	gtg	96
Pro	Lys	Lys	Pro	Lys	Asp	Asp	Tyr	His	Phe	Glu	Val	Phe	Asn	Phe	Val	
			20					25					30			

ccc	tgc	agc	atc	tgc	ggc	aac	aac	cag	ctg	tgc	aaa	agc	atc	tgc	aaa	144
Pro	Cys	Ser	Ile	Cys	Gly	Asn	Asn	Gln	Leu	Cys	Lys	Ser	Ile	Cys	Lys	
		35				40						45				

B3. acc atc ccg agc aac aaa ccg aaa aag aaa ccg acc atc 183

Thr	Ile	Pro	Ser	Asn	Lys	Pro	Lys	Lys	Lys	Pro	Thr	Ile				
	50					55					60					

<210> 66

<211> 61

<212> PRT

<213> Respiratory syncytial Virus (RSV)

<400> 66

Ser	Thr	Gln	Thr	Asn	Lys	Pro	Ser	Thr	Lys	Ser	Arg	Ser	Lys	Asn	Pro
1				5					10					15	

Pro	Lys	Lys	Pro	Lys	Asp	Asp	Tyr	His	Phe	Glu	Val	Phe	Asn	Phe	Val
			20					25					30		

Pro	Cys	Ser	Ile	Cys	Gly	Asn	Asn	Gln	Leu	Cys	Lys	Ser	Ile	Cys	Lys
		35				40						45			

Thr	Ile	Pro	Ser	Asn	Lys	Pro	Lys	Lys	Lys	Pro	Thr	Ile			
	50					55					60				

<210> 67

<211> 177

<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(177)

<220>
<223> G198B

<400> 67
agc acc cag acc aac aaa ccg agc acc aaa agc cgt agc aaa aac ccg 48
Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
1 5 10 15

ccg aaa aaa ccg aaa gat gat tac cac ttc gaa gtg ttc aac ttc gtg 96
Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
20 25 30

ccc tgc agc atc tgc ggc aac aac cag ctg tgc aaa agc atc tgc aaa 144
Pro Cys Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Cys Lys
35 40 45

acc atc ccg agc aac aaa ccg aaa aag aaa ccg 177
Thr Ile Pro Ser Asn Lys Pro Lys Lys Lys Pro
50 55

B9
conts
<210> 68
<211> 59
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 68
Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
1 5 10 15

Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
20 25 30

Pro Cys Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Cys Lys
35 40 45

Thr Ile Pro Ser Asn Lys Pro Lys Lys Lys Pro
50 55

<210> 69
<211> 171
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(171)

<220>

<223> G196B

<400> 69

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agc acc cag acc aac aaa ccg agc acc aaa agc cgt agc aaa aac ccg 48
Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
  1              5              10              15

ccg aaa aaa ccg aaa gat gat tac cac ttc gaa gtg ttc aac ttc gtg 96
Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
      20              25              30

ccc tgc agc atc tgc ggc aac aac cag ctg tgc aaa agc atc tgc aaa 144
Pro Cys Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Cys Lys
      35              40              45

acc atc ccg agc aac aaa ccg aaa aag 171
Thr Ile Pro Ser Asn Lys Pro Lys Lys
  50              55
```

<210> 70

<211> 57

<212> PRT

<213> Respiratory syncytial Virus (RSV)

<400> 70

B3
Cont

```
Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
  1              5              10              15

Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
      20              25              30

Pro Cys Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Cys Lys
      35              40              45

Thr Ile Pro Ser Asn Lys Pro Lys Lys
  50              55
```

<210> 71

<211> 165

<212> ADN

<213> Respiratory syncytial Virus (RSV)

<220>

<221> CDS

<222> (1)..(165)

<220>

<223> G194B

<400> 71

```
agc acc cag acc aac aaa ccg agc acc aaa agc cgt agc aaa aac ccg 48
Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
  1              5              10              15
```


ccg aaa aaa ccg aaa gat gat tac cac ttc gaa gtg ttc aac ttc gtg 96
Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
20 25 30

ccc tgc agc atc tgc ggc aac aac cag ctg tgc aaa agc atc tgc aaa 144
Pro Cys Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Cys Lys
35 40 45

acc atc ccg agc aac aaa ccg 165
Thr Ile Pro Ser Asn Lys Pro
50 55

<210> 72

<211> 55

<212> PRT

<213> Respiratory syncytial Virus (RSV)

<400> 72

Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
1 5 10 15

Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
20 25 30

Pro Cys Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Cys Lys
35 40 45

Thr Ile Pro Ser Asn Lys Pro
50 55

<210> 73

<211> 159

<212> ADN

<213> Respiratory syncytial Virus (RSV)

<220>

<221> CDS

<222> (1)..(159)

<220>

<223> G192B

<400> 73

agc acc cag acc aac aaa ccg agc acc aaa agc cgt agc aaa aac ccg 48
Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
1 5 10 15

ccg aaa aaa ccg aaa gat gat tac cac ttc gaa gtg ttc aac ttc gtg 96
Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
20 25 30

ccc tgc agc atc tgc ggc aac aac cag ctg tgc aaa agc atc tgc aaa 144
Pro Cys Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Cys Lys
35 40 45

acc atc ccg agc aac
Thr Ile Pro Ser Asn
50

159

<210> 74
<211> 53
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 74
Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
1 5 10 15

Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
20 25 30

Pro Cys Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Cys Lys
35 40 45

Thr Ile Pro Ser Asn
50

<210> 75
<211> 153
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1) .. (153)

<220>
<223> G6B

<400> 75
agc acc cag acc aac aaa ccg agc acc aaa agc cgt agc aaa aac ccg 48
Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
1 5 10 15

ccg aaa aaa ccg aaa gat gat tac cac ttc gaa gtg ttc aac ttc gtg 96
Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
20 25 30

ccc tgc agc atc tgc ggc aac aac cag ctg tgc aaa agc atc tgc aaa 144
Pro Cys Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Cys Lys
35 40 45

acc atc ccg 153
Thr Ile Pro
50

<210> 76
<211> 51
<212> PRT

<213> Respiratory syncytial Virus (RSV)

<400> 76

Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
1 5 10 15

Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
20 25 30

Pro Cys Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Cys Lys
35 40 45

Thr Ile Pro
50

<210> 77

<211> 99

<212> ADN

<213> Respiratory syncytial Virus (RSV)

<220>

<221> CDS

<222> (1)..(99)

<220>

<223> G7B

B3 cont
<400> 77

aaa ccg aaa gat gat tac cac ttc gaa gtg ttc aac ttc gtg ccc tgc 48
Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val Pro Cys
1 5 10 15

agc atc tgc ggc aac aac cag ctg tgc aaa agc atc tgc aaa acc atc 96
Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Cys Lys Thr Ile
20 25 30

ccg 99
Pro

<210> 78

<211> 33

<212> PRT

<213> Respiratory syncytial Virus (RSV)

<400> 78

Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val Pro Cys
1 5 10 15

Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Cys Lys Thr Ile
20 25 30

Pro

<210> 79
<211> 183
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(183)

<220> G200BdC
<223>

<400> 79
agc acc cag acc aac aaa ccg agc acc aaa agc cgt agc aaa aac ccg 48
Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
1 5 10 15
ccg aaa aaa ccg aaa gat gat tac cac ttc gaa gtg ttc aac ttc gtg 96
Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
20 25 30
ccc agc agc atc tgc ggc aac aac cag ctg tgc aaa agc atc agc aaa 144
Pro Ser Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Ser Lys
35 40 45
acc atc ccg agc aac aaa ccg aaa aag aaa ccg acc atc 183
Thr Ile Pro Ser Asn Lys Pro Lys Lys Lys Pro Thr Ile
50 55 60

B9 cont
<210> 80
<211> 61
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 80
Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
1 5 10 15
Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
20 25 30
Pro Ser Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Ser Lys
35 40 45
Thr Ile Pro Ser Asn Lys Pro Lys Lys Lys Pro Thr Ile
50 55 60

<210> 81
<211> 177
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(177)

<220>
<223> G198B5C

<400> 81
agc acc cag acc aac aaa ccg agc acc aaa agc cgt agc aaa aac ccg 48
Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
1 5 10 15
ccg aaa aaa ccg aaa gat gat tac cac ttc gaa gtg ttc aac ttc gtg 96
Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
20 25 30
ccc agc agc atc tgc ggc aac aac cag ctg tgc aaa agc atc agc aaa 144
Pro Ser Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Ser Lys
35 40 45
acc atc ccg agc aac aaa ccg aaa aag aaa ccg 177
Thr Ile Pro Ser Asn Lys Pro Lys Lys Lys Pro
50 55

Beant
<210> 82
<211> 59
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 82
Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
1 5 10 15
Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
20 25 30
Pro Ser Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Ser Lys
35 40 45
Thr Ile Pro Ser Asn Lys Pro Lys Lys Lys Pro
50 55

<210> 83
<211> 171
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(171)

<220>
<223> G196B5C

<400> 83
agc acc cag acc aac aaa ccg agc acc aaa agc cgt agc aaa aac ccg 48
Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro

1	5	10	15	
ccg aaa aaa ccg aaa gat gat tac cac ttc gaa gtg ttc aac ttc gtg	96			
Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val				
20	25	30		
ccc agc agc atc tgc ggc aac aac cag ctg tgc aaa agc atc agc aaa	144			
Pro Ser Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Ser Lys				
35	40	45		
acc atc ccg agc aac aaa ccg aaa aag	171			
Thr Ile Pro Ser Asn Lys Pro Lys Lys				
50	55			

<210> 84
 <211> 57
 <212> PRT
 <213> Respiratory syncytial Virus (RSV)

<400> 84
 Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
 1 5 10 15

Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
 20 25 30

Pro Ser Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Ser Lys
 35 40 45

Thr Ile Pro Ser Asn Lys Pro Lys Lys
 50 55

Back

<210> 85
 <211> 183
 <212> ADN
 <213> Respiratory syncytial Virus (RSV)

<220>
 <221> CDS
 <222> (1)..(183)

<220>
 <223> G200V

<400> 85
 cta cca gcc aca aga aaa cca cca att aat cca tca gga agc atc cca 48
 Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
 1 5 10 15

cca gaa aac cat caa gac cac aac aac ttc caa aca ctc ccc tat gtt 96
 Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
 20 25 30

ccc tgc agt aca tgt gaa ggt aat ctt gca tgc tta tca ctc tgc cat 144
 Pro Cys Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Cys His

35 40 45
att gag acg gaa aga gca cca agc aga gca cca aca atc 183
Ile Glu Thr Glu Arg Ala Pro Ser Arg Ala Pro Thr Ile
50 55 60

<210> 86
<211> 61
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 86
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15
Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30
Pro Cys Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Cys His
35 40 45
Ile Glu Thr Glu Arg Ala Pro Ser Arg Ala Pro Thr Ile
50 55 60

<210> 87
<211> 165
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(165)

<220>
<223> G194B5C

<400> 87
agc acc cag acc aac aaa ccg agc acc aaa agc cgt agc aaa aac ccg 48
Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
1 5 10 15
ccg aaa aaa ccg aaa gat gat tac cac ttc gaa gtg ttc aac ttc gtg 96
Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
20 25 30
ccc agc agc atc tgc ggc aac aac cag ctg tgc aaa agc atc agc aaa 144
Pro Ser Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Ser Lys
35 40 45
acc atc ccg agc aac aaa ccg 165
Thr Ile Pro Ser Asn Lys Pro
50 55

<210> 88

<211> 55
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 88
Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
1 5 10 15
Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
20 25 30
Pro Ser Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Ser Lys
35 40 45
Thr Ile Pro Ser Asn Lys Pro
50 55

<210> 89
<211> 159
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(159)

<220>
<223> G192BδC

<400> 89
agc acc cag acc aac aaa ccg agc acc aaa agc cgt agc aaa aac ccg 48
Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
1 5 10 15
ccg aaa aaa ccg aaa gat gat tac cac ttc gaa gtg ttc aac ttc gtg 96
Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
20 25 30
ccc agc agc atc tgc ggc aac aac cag ctg tgc aaa agc atc agc aaa 144
Pro Ser Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Ser Lys
35 40 45
acc atc ccg agc aac 159
Thr Ile Pro Ser Asn
50

<210> 90
<211> 53
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 90
Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
1 5 10 15

Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
20 25 30

Pro Ser Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Ser Lys
35 40 45

Thr Ile Pro Ser Asn
50

<210> 91
<211> 153
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(153)

<220>
<223> G6B8C

<400> 91
agc acc cag acc aac aaa ccg agc acc aaa agc cgt agc aaa aac ccg 48
Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
5 10 15

ccg aaa aaa ccg aaa gat gat tac cac ttc gaa gtg ttc aac ttc gtg 96
Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
20 25 30

ccc agc agc atc tgc ggc aac aac cag ctg tgc aaa agc atc agc aaa 144
Pro Ser Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Ser Lys
35 40 45

acc atc ccg 153
Thr Ile Pro
50

<210> 92
<211> 51
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 92
Ser Thr Gln Thr Asn Lys Pro Ser Thr Lys Ser Arg Ser Lys Asn Pro
1 5 10 15

Pro Lys Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val
20 25 30

Pro Ser Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Ser Lys
35 40 45

Thr Ile Pro
50

<210> 93
<211> 99
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1) .. (99)

<220>
<223> G7BδC

<400> 93
aaa ccg aaa gat gat tac cac ttc gaa gtg ttc aac ttc gtg ccc agc 48
Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val Pro Ser
1 5 10 15
agc atc tgc ggc aac aac cag ctg tgc aaa agc atc agc aaa acc atc 96
Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Ser Lys Thr Ile
20 25 30
ccg 99
Pro

<210> 94
<211> 33
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 94
Lys Pro Lys Asp Asp Tyr His Phe Glu Val Phe Asn Phe Val Pro Ser
1 5 10 15
Ser Ile Cys Gly Asn Asn Gln Leu Cys Lys Ser Ile Ser Lys Thr Ile
20 25 30
Pro

<210> 95
<211> 303
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1) .. (303)

<220>
<223> G2V

<400> 95

caa aac aga aaa atc aaa ggt caa tca aca cta cca gcc aca aga aaa 48
 Gln Asn Arg Lys Ile Lys Gly Gln Ser Thr Leu Pro Ala Thr Arg Lys
 1 5 10 15

cca cca att aat cca tca gga agc atc cca cca gaa aac cat caa gac 96
 Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro Pro Glu Asn His Gln Asp
 20 25 30

cac aac aac ttc caa aca ctc ccc tat gtt ccc tgc agt aca tgt gaa 144
 His Asn Asn Phe Gln Thr Leu Pro Tyr Val Pro Cys Ser Thr Cys Glu
 35 40 45

ggt aat ctt gca tgc tta tca ctc tgc cat att gag acg gaa aga gca 192
 Gly Asn Leu Ala Cys Leu Ser Leu Cys His Ile Glu Thr Glu Arg Ala
 50 55 60

cca agc aga gca cca aca atc acc ctc aaa aag aca cca aaa cca aaa 240
 Pro Ser Arg Ala Pro Thr Ile Thr Leu Lys Lys Thr Pro Lys Pro Lys
 65 70 75 80

acc aca aaa aag cca acc aag aca aca atc cat cac aga acc agc cca 288
 Thr Thr Lys Lys Pro Thr Lys Thr Thr Ile His His Arg Thr Ser Pro
 85 90 95

gaa acc aaa ctg caa 303
 Glu Thr Lys Leu Gln
 100

B3
Bent

<210> 96
 <211> 101
 <212> PRT
 <213> Respiratory syncytial Virus (RSV)

<400> 96
 Gln Asn Arg Lys Ile Lys Gly Gln Ser Thr Leu Pro Ala Thr Arg Lys
 1 5 10 15

Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro Pro Glu Asn His Gln Asp
 20 25 30

His Asn Asn Phe Gln Thr Leu Pro Tyr Val Pro Cys Ser Thr Cys Glu
 35 40 45

Gly Asn Leu Ala Cys Leu Ser Leu Cys His Ile Glu Thr Glu Arg Ala
 50 55 60

Pro Ser Arg Ala Pro Thr Ile Thr Leu Lys Lys Thr Pro Lys Pro Lys
 65 70 75 80

Thr Thr Lys Lys Pro Thr Lys Thr Thr Ile His His Arg Thr Ser Pro
 85 90 95

Glu Thr Lys Leu Gln
 100

<210> 97

<211> 303
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(303)

<220>
<223> G2V8C

<400> 97

caa aac aga aaa atc aaa ggt caa tca aca cta cca gcc aca aga aaa 48
Gln Asn Arg Lys Ile Lys Gly Gln Ser Thr Leu Pro Ala Thr Arg Lys
1 5 10 15

cca cca att aat cca tca gga agc atc cca cca gaa aac cat caa gac 96
Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro Pro Glu Asn His Gln Asp
20 25 30

cac aac aac ttc caa aca ctc ccc tat gtt ccc agc agt aca tgt gaa 144
His Asn Asn Phe Gln Thr Leu Pro Tyr Val Pro Ser Ser Thr Cys Glu
35 40 45

ggt aat ctt gca tgc tta tca ctc agc cat att gag acg gaa aga gca 192
Gly Asn Leu Ala Cys Leu Ser Leu Ser His Ile Glu Thr Glu Arg Ala
50 55 60

cca agc aga gca cca aca atc acc ctc aaa aag aca cca aaa cca aaa 240
Pro Ser Arg Ala Pro Thr Ile Thr Leu Lys Lys Thr Pro Lys Pro Lys
65 70 75 80

acc aca aaa aag cca acc aag aca aca atc cat cac aga acc agc cca 288
Thr Thr Lys Lys Pro Thr Lys Thr Thr Ile His His Arg Thr Ser Pro
85 90 95

gaa acc aaa ctg caa 303
Glu Thr Lys Leu Gln
100

<210> 98
<211> 101
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 98

Gln Asn Arg Lys Ile Lys Gly Gln Ser Thr Leu Pro Ala Thr Arg Lys
1 5 10 15

Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro Pro Glu Asn His Gln Asp
20 25 30

His Asn Asn Phe Gln Thr Leu Pro Tyr Val Pro Ser Ser Thr Cys Glu
35 40 45

Gly Asn Leu Ala Cys Leu Ser Leu Ser His Ile Glu Thr Glu Arg Ala

50 55 60

Pro Ser Arg Ala Pro Thr Ile Thr Leu Lys Lys Thr Pro Lys Pro Lys
65 70 75 80

Thr Thr Lys Lys Pro Thr Lys Thr Thr Ile His His Arg Thr Ser Pro
85 90 95

Glu Thr Lys Leu Gln
100

<210> 99
<211> 177
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(177)

<220>
<223> G198V

B30x

<400> 99
cta cca gcc aca aga aaa cca cca att aat cca tca gga agc atc cca 48
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15

cca gaa aac cat caa gac cac aac aac ttc caa aca ctc ccc tat gtt 96
Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30

ccc tgc agt aca tgt gaa ggt aat ctt gca tgc tta tca ctc tgc cat 144
Pro Cys Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Cys His
35 40 45

att gag acg gaa aga gca cca agc aga gca cca 177
Ile Glu Thr Glu Arg Ala Pro Ser Arg Ala Pro
50 55

<210> 100
<211> 59
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 100
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15

Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30

Pro Cys Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Cys His
35 40 45

Ile Glu Thr Glu Arg Ala Pro Ser Arg Ala Pro
50 55

<210> 101
<211> 171
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(171)

<220>
<223> G196V

<400> 101
cta cca gcc aca aga aaa cca cca att aat cca tca gga agc atc cca 48
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15
cca gaa aac cat caa gac cac aac aac ttc caa aca ctc ccc tat gtt 96
Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30
ccc tgc agt aca tgt gaa ggt aat ctt gca tgc tta tca ctc tgc cat 144
Pro Cys Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Cys His
35 40 45
att gag acg gaa aga gca cca agc aga 171
Ile Glu Thr Glu Arg Ala Pro Ser Arg
50 55

<210> 102
<211> 57
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 102
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15
Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30
Pro Cys Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Cys His
35 40 45
Ile Glu Thr Glu Arg Ala Pro Ser Arg
50 55

<210> 103
<211> 165
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(165)

<220>
<223> G194V

<400> 103
cta cca gcc aca aga aaa cca cca att aat cca tca gga agc atc cca 48
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15
cca gaa aac cat caa gac cac aac aac ttc caa aca ctc ccc tat gtt 96
Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30
ccc tgc agt aca tgt gaa ggt aat ctt gca tgc tta tca ctc tgc cat 144
Pro Cys Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Cys His
35 40 45
att gag acg gaa aga gca cca 165
Ile Glu Thr Glu Arg Ala Pro
50 55

B3 con

<210> 104
<211> 55
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 104
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15
Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30
Pro Cys Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Cys His
35 40 45
Ile Glu Thr Glu Arg Ala Pro
50 55

<210> 105
<211> 159
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(159)

<220>
<223> G192V

<400> 105
cta cca gcc aca aga aaa cca cca att aat cca tca gga agc atc cca 48
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15

cca gaa aac cat caa gac cac aac aac ttc caa aca ctc ccc tat gtt 96
Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30

ccc tgc agt aca tgt gaa ggt aat ctt gca tgc tta tca ctc tgc cat 144
Pro Cys Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Cys His
35 40 45

att gag acg gaa aga 159
Ile Glu Thr Glu Arg
50

<210> 106
<211> 53
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 106
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15

Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30

Pro Cys Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Cys His
35 40 45

Ile Glu Thr Glu Arg
50

<210> 107
<211> 153
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1) .. (153)

<220>
<223> G6V

<400> 107
cta cca gcc aca aga aaa cca cca att aat cca tca gga agc atc cca 48
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15

cca gaa aac cat caa gac cac aac aac ttc caa aca ctc ccc tat gtt 96
Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val

20	25	30	
ccc tgc agt aca tgt gaa ggt aat ctt gca tgc tta tca ctc tgc cat	144		
Pro Cys Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Cys His			
35	40	45	
att gag acg			153
Ile Glu Thr			
50			

<210> 108
 <211> 51
 <212> PRT
 <213> Respiratory syncytial Virus (RSV)

<400> 108	
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro	
1	15
Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val	
20	30
Pro Cys Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Cys His	
35	45

Ile Glu Thr
 50

B² cont

<210> 109
 <211> 99
 <212> ADN
 <213> Respiratory syncytial Virus (RSV)

<220>
 <221> CDS
 <222> (1) .. (99)

<220>
 <223> G7V

<400> 109	
aac cat caa gac cac aac aac ttc caa aca ctc ccc tat gtt ccc tgc	48
Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val Pro Cys	
1	15
agt aca tgt gaa ggt aat ctt gca tgc tta tca ctc tgc cat att gag	96
Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Cys His Ile Glu	
20	30
acg	99
Thr	

<210> 110
 <211> 33

<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 110
Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val Pro Cys
1 5 10 15
Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Cys His Ile Glu
20 25 30

Thr

<210> 111
<211> 183
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(183)
<220>
<223> G200V8C

Bcont

<400> 111
cta cca gcc aca aga aaa cca cca att aat cca tca gga agc atc cca 48
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15
cca gaa aac cat caa gac cac aac aac ttc caa aca ctc ccc tat gtt 96
Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30
ccc agc agt aca tgt gaa ggt aat ctt gca tgc tta tca ctc agc cat 144
Pro Ser Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Ser His
35 40 45
att gag acg gaa aga gca cca agc aga gca cca aca atc 183
Ile Glu Thr Glu Arg Ala Pro Ser Arg Ala Pro Thr Ile
50 55 60

<210> 112
<211> 61
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 112
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15
~~Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val~~
~~20 25 30~~
Pro Ser Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Ser His

35 40 45
Ile Glu Thr Glu Arg Ala Pro Ser Arg Ala Pro Thr Ile
50 55 60

<210> 113
<211> 177
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(177)

<220>
<223> G198V8C

<400> 113
cta cca gcc aca aga aaa cca cca att aat cca tca gga agc atc cca 48
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15

cca gaa aac cat caa gac cac aac aac ttc caa aca ctc ccc tat gtt 96
Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30

ccc agc agt aca tgt gaa ggt aat ctt gca tgc tta tca ctc agc cat 144
Pro Ser Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Ser His
35 40 45

att gag acg gaa aga gca cca agc aga gca cca 177
Ile Glu Thr Glu Arg Ala Pro Ser Arg Ala Pro
50 55

<210> 114
<211> 59
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 114
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15

Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30

Pro Ser Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Ser His
35 40 45

Ile Glu Thr Glu Arg Ala Pro Ser Arg Ala Pro
50 55

<210> 115
<211> 171

<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(171)

<220>
<223> G196V8C

<400> 115
cta cca gcc aca aga aaa cca cca att aat cca tca gga agc atc cca 48
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15

cca gaa aac cat caa gac cac aac aac ttc caa aca ctc ccc tat gtt 96
Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30

ccc agc agt aca tgt gaa ggt aat ctt gca tgc tta tca ctc agc cat 144
Pro Ser Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Ser His
35 40 45

att gag acg gaa aga gca cca agc aga 171
Ile Glu Thr Glu Arg Ala Pro Ser Arg
50 55

<210> 116
<211> 57
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 116
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15

Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30

Pro Ser Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Ser His
35 40 45

Ile Glu Thr Glu Arg Ala Pro Ser Arg
50 55

<210> 117
<211> 165
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(165)

<220>

<223> G194V8C

<400> 117

cta cca gcc aca aga aaa cca cca att aat cca tca gga agc atc cca 48
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15

cca gaa aac cat caa gac cac aac aac ttc caa aca ctc ccc tat gtt 96
Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30

ccc agc agt aca tgt gaa ggt aat ctt gca tgc tta tca ctc agc cat 144
Pro Ser Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Ser His
35 40 45

att gag acg gaa aga gca cca 165
Ile Glu Thr Glu Arg Ala Pro
50 55

<210> 118

<211> 55

<212> PRT

<213> Respiratory syncytial Virus (RSV)

<400> 118

Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15

Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30

Pro Ser Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Ser His
35 40 45

Ile Glu Thr Glu Arg Ala Pro
50 55

<210> 119

<211> 159

<212> ADN

<213> Respiratory syncytial Virus (RSV)

<220>

<221> CDS

<222> (1)..(159)

<220>

<223> G192V8C

<400> 119

cta cca gcc aca aga aaa cca cca att aat cca tca gga agc atc cca 48
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15

cca gaa aac cat caa gac cac aac aac ttc caa aca ctc ccc tat gtt 96
Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30

ccc agc agt aca tgt gaa ggt aat ctt gca tgc tta tca ctc agc cat 144
Pro Ser Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Ser His
35 40 45

att gag acg gaa aga 159
Ile Glu Thr Glu Arg
50

<210> 120

<211> 53

<212> PRT

<213> Respiratory syncytial Virus (RSV)

<400> 120

Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15

Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30

Pro Ser Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Ser His
35 40 45

Ile Glu Thr Glu Arg
50

<210> 121

<211> 153

<212> ADN

<213> Respiratory syncytial Virus (RSV)

<220>

<221> CDS

<222> (1)..(153)

<220>

<223> G6V8C

<400> 121

cta cca gcc aca aga aaa cca cca att aat cca tca gga agc atc cca 48
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15

cca gaa aac cat caa gac cac aac aac ttc caa aca ctc ccc tat gtt 96
Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30

ccc agc agt aca tgt gaa ggt aat ctt gca tgc tta tca ctc agc cat 144
Pro Ser Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Ser His
35 40 45

att gag acg
Ile Glu Thr
50

153

<210> 122
<211> 51
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 122
Leu Pro Ala Thr Arg Lys Pro Pro Ile Asn Pro Ser Gly Ser Ile Pro
1 5 10 15

Pro Glu Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val
20 25 30

Pro Ser Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Ser His
35 40 45

Ile Glu Thr
50

<210> 123
<211> 99
<212> ADN
<213> Respiratory syncytial Virus (RSV)

B3
Banc

<220>
<221> CDS
<222> (1)..(99)

<220>
<223> G7V8C

<400> 123
aac cat caa gac cac aac aac ttc caa aca ctc ccc tat gtt ccc agc 48
Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val Pro Ser
1 5 10 15

agt aca tgt gaa ggt aat ctt gca tgc tta tca ctc agc cat att gag 96
Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Ser His Ile Glu
20 25 30

acg 99
Thr

<210> 124
<211> 33
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 124
Asn His Gln Asp His Asn Asn Phe Gln Thr Leu Pro Tyr Val Pro Ser
1 5 10 15

Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Ser His Ile Glu
 20 25 30

Thr

<210> 125
 <211> 51
 <212> ADN
 <213> Respiratory syncytial Virus (RSV)

<220>
 <221> CDS
 <222> (1)..(51)

<220>
 <223> G4V

<400> 125
 gtt ccc tgc agt aca tgt gaa ggt aat ctt gca tgc tta tca ctc tgc 48
 Val Pro Cys Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Cys
 1 5 10 15

B3
 Bcont
 cat
 His 51

<210> 126
 <211> 17
 <212> PRT
 <213> Respiratory syncytial Virus (RSV)

<400> 126
 Val Pro Cys Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Cys
 1 5 10 15

His

<210> 127
 <211> 51
 <212> ADN
 <213> Respiratory syncytial Virus (RSV)

<220>
 <221> CDS
 <222> (1)..(51)

<220>
 <223> G4VδC

<400> 127
 gtt ccc agc agt aca tgt gaa ggt aat ctt gca tgc tta tca ctc agc 48

Val Pro Ser Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Ser
1 5 10 15

cat
His

51

<210> 128
<211> 17
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 128
Val Pro Ser Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Ser
1 5 10 15

His

<210> 129
<211> 17
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<220>
<223> Xaa means orn.

<220>
<223> G4'V

B3 cont

<400> 129
Val Pro Asp Ser Thr Asp Glu Gly Asn Leu Ala Xaa Leu Ser Leu Xaa
1 5 10 15

His

<210> 130
<211> 17
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<220>
<223> Xaa means orn.

<220>
<223> G4'vδC

<400> 130
Val Pro Ser Ser Thr Asp Glu Gly Asn Leu Ala Xaa Leu Ser Leu Ser
1 5 10 15

His

<210> 131
<211> 42
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(42)

<220>
<223> G1V

<400> 131
agt aca tgt gaa ggt aat ctt gca tgc tta tca ctc tgc cat
Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Cys His
1 5 10

42

<210> 132
<211> 14
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 132
Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Cys His
1 5 10

B3 cont
<210> 133
<211> 42
<212> ADN
<213> Respiratory syncytial Virus (RSV)

<220>
<221> CDS
<222> (1)..(42)

<220>
<223> G1VδC

<400> 133
agt aca tgt gaa ggt aat ctt gca tgc tta tca ctc agc cat
Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Ser His
1 5 10

42

<210> 134
<211> 14
<212> PRT
<213> Respiratory syncytial Virus (RSV)

<400> 134
Ser Thr Cys Glu Gly Asn Leu Ala Cys Leu Ser Leu Ser His

1

5

10

<210> 135

<211> 14

<212> PRT

<213> Respiratory syncytial Virus (RSV)

<220>

<223> Xaa means orn.

<220>

<223> G1'V8C

<400> 135

Ser Thr Asp Glu Gly Asn Leu Ala Xaa Leu Ser Leu Ser His

1

5

10

B3.
Done

<210> 136

<211> 15

<212> PRT

<213> Respiratory syncytial Virus (RSV)

<220>

<223> Xaa means orn.

<220>

<223> G1' .

<400> 136

Ser Ile Asp Ser Asn Asn Pro Thr Xaa Trp Ala Ile Ser Lys Cys

1

5

10

15